

CURRICULUM VITAE

of

ADAM H. BALEN

MB, BS, MD, DSc, FRCOG

***CONSULTANT OBSTETRICIAN & GYNAECOLOGIST
and Subspecialist in REPRODUCTIVE MEDICINE,
PROFESSOR OF REPRODUCTIVE MEDICINE AND SURGERY***

***The Leeds Centre for Reproductive Medicine,
Seacroft Hospital, Leeds,
The General Infirmary, Leeds,
and St James' University Hospital, Leeds,
Leeds Teaching Hospitals N.H.S. Trust***

and Leeds University

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Chair of The British Fertility Society



The Leeds Centre for
Reproductive Medicine

Adam Balen.

April 2015

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Personal Details

Date of birth: 30th April 1960, London
Nationality: British

Secretary: 0113 206 3114
email: a.balen@nhs.net
Website: adambalen.com
Twitter: @BalenAdam
Address: The Leeds Centre for Reproductive Medicine (LCRM),
Seacroft Hospital, York Road, Leeds, LS14 6UH, U.K.

Position

2004: Personal Chair: Professor of Reproductive Medicine and Surgery,
University of Leeds

1996 (31.12.1996): Consultant Obstetrician & Gynaecologist and Subspecialist in
Reproductive Medicine, Leeds Teaching Hospitals

Other Major Positions and Committees (see on for details)

Chair World Health Organisation Expert Working Group on Global Infertility Guidelines:
Management of PCOS.

Chair, British Fertility Society.

Scientific Editor *British Journal of Obstetrics & Gynaecology*.

Qualifications

1983 MB, BS University of London
1990 MRCOG
1993 MFFP (R.C.O.G.)
1995 MD University of London, Hypersecretion of LH in PCOS
2002 FRCOG
2010 DSc, University of Leeds,
Aspects of PCOS, Infertility and Reproductive Endocrinology

Membership of learned societies and positions held

World Health Organization

Committee Member of the International Steering Committee of the World Health Organisation Global Infertility Guidelines Group, 2012;

Chair of The Expert Working Group on the Management of PCOS.

Royal College of Obstetricians and Gynaecologists

Faculty of RCOG Medical Educators: Tier Three Educator in postgraduate O&G medical education and training, 2015 - present.

RCOG Preceptor – 1) Level 3 Hysteroscopy and Laparoscopy; 2) Infertility; 3) Assisted Reproduction; 4) Ovulation Induction; 5) Ultrasound for Infertility; 6) Paediatric and Adolescent Gynaecology.

RCOG Scientific Study Group on Infertility, 1998.
Scientific Study Group on Menstrual Cycle Disorders 2000.
Scientific Study Group on Obesity 2007 (Co-convener).
Scientific Study Group on PCOS 2010 (Co-convener).

Member of RCOG Academic Committee, 1999 – 2002.
Member Subspecialty Training Committee, 2000 - 2003.
Member of Scientific Advisory Committee, 2006 – 2010.

Scientific Editor, British Journal of Obstetrics & Gynaecology (BJOG), 2004 – 2015.
BJOG Editorial Board Member, 2014 - present.
Member of BJOG Management Committee, 2005 – 2014.
Editor of special issue of BJOG on Obesity, 2006.
Editor of special issue of BJOG on Paediatric and Adolescent Reproductive Health, 2010.

I believe I am the only person to have been awarded three eponymous prize lectureships by the RCOG:

1996 Green Armytage Anglo-American Prize, *Hypersecretion of LH in PCOS*;
2004, Blair Bell Prize, *PCOS, A condition of our time*;
2009 Victor Bonney Prize, *Disorders of Sexual Development and Differentiation. How, where and When?*

Public Lecture: Living with PCOS, RCOG Consumers Forum, London, March 2009.
RCOG representative on DoH CJD Incidents Panel, 2003-present.
Member of Working Party on Advanced Specialist Training, 2006.
Reviewer of Infertility Guidelines (1, 2 & 3), 1997, 1999 and 2003.
RCOG representative on National Obesity Research Organisation, 2006 -present.
RCOG spokesperson on Reproductive Medicine and related topics.
College Assessor on Advisory Appointments Committees 2006 - present.
Inspector of subspecialty training schemes, 2000 - present.

Referee for abstracts: British Congress of O & G, 2004 – present.

District Tutor for Leeds General Infirmary, 1998 – 2002.

RCOG representative on Royal College of Paediatrics and Child Health Committee for Adolescent Health, 1999 – 2002. Contributor to “Bridging the Gaps: Health Care for Adolescents”, published by RCPaeds & CH, June 2003, 62pp.

Convener joint RCOG/ESHRE Meeting on Ovulation Induction, April 2004, London.

Convener joint RCOG/ESHRE Meeting on PCOS, November 2007, London.

Lecturer on MRCOG Courses, 1996 - present.

Lecturer on Basic Sciences for Subspecialty Trainees course, 2004 - present.

Contributor to R.C.O.G. DIALOG CD-ROM, 1996; R.C.O.G. Logic questions author, 1998, 1999, 2000; Green Top Guideline referee: 2002, 2003, 2007.

Contributor to information leaflet for patients on PCOS.

StratOG: Author of *Amenorrhoea* section, 2006.

Author of RCOG response to GMC paper, December 2006: *Children and Young People – consultation on guidance for doctors*.

Author of RCOG SAC paper, 2008: *Indications for the use of metformin in polycystic ovary syndrome*.

Co-Author of RCOG SAC paper, 2009 & 2014: *The role of bariatric surgery in the management of female fertility*. Samantha Scholtz, Carel le Roux, Adam Balen.

Reviewer Green Top Guidelines: PCOS, 2014; OHSS, 2015.

Expert advisor to the Swinfen Charitable Trust (telemedical advice to developing countries).

Department of Health/National Health Service

NICE Guidance on PCOS, principle author of scoping document – 2009-2010.

NICE Guidance on Infertility, 2003 & 2013. Reviewer.

National Institute for Health Research (NIHR), Specialty Lead for West Yorkshire, Comprehensive Local Research Network (CLRN) on the National Reproductive Health & Childbirth Specialty Group. 2008 - 2012.

Member of DoH “Chapter M” working group, Obstetrics, Gynaecology and Reproductive Medicine Coding Panel, 2004 - 2012.

Prodigy reviewer 2006, 2013:

Guidelines on management of amenorrhoea.

Guidelines on management of polycystic ovary syndrome.

Guidelines on diagnosis and management of polycystic ovary syndrome. Clinical Guidelines for primary care, volume 32, June 2007. <http://www.evidence.nhs.uk>, written for and published on behalf of *PCOS UK*.

Member of NHS Executive Steering Group on Evidence Based Medicine and Clinical Governance, 1999-2002.

RCOG nominated member on the DoH (NSCAG) working party for a National Framework for the management of Intersex Conditions, 2001.

Member of Specialist Advisory Group to the All Party Parliamentary Group on Infertility 2003-4; co-author of discussion paper for MPs: *Infertility Treatment in the U.K., Taking NICE Forward* (February 2004).

RCOG representative on DoH CJD Incidents Panel, 2003-2010.

Human Fertilisation and Embryology Authority (HFEA)

Reviewer of research protocols, 1999 – present.

Author of “Current evidence relating to OHSS”, 2005; revised and rewritten in 2008.

Leeds Teaching Hospitals

Chairman of Senior Medical Staff Committee, 2006 - 2012.

Local Negotiating Committee, 2006 - 2012.

Person Responsible to HFEA, Reproductive Medicine Unit, Leeds General Infirmary 2002 - 2009.

Secretary of O & G Committee, Leeds General Infirmary, 1998 - 2005.

Secretary of Joint O & G Committee, Leeds General Infirmary & St James' Hospital, 1999 – 2005.

Member of Clinical Ethics Committee, 2002 - present.

Member of *Obesity Service Review*, 2006 - present.

Leeds Infertility Guidelines Group – co-author, 1999-2001.

Leeds Menorrhagia Guidelines Group – co-author, 1999-2001.

Member of Specialty Training Committee, 1999-2001.

Mentor to G.P.s on management of benign gynaecological problems, 1999-2006.

Leeds University

2010: Awarded DSc.

2004: Personal Chair: Professor of Reproductive Medicine and Surgery

1996: Honorary Senior Lecturer.

MD, PhD, MSc and BSc Supervisor.

Tutor and module organiser for MSc in Clinical Embryology, 2000 - present.

Supervisor of LURE Scholarship 2006-2010. Awarded to Miss Dhakshana Sivayoganathan, medical student.

District Tutor, RCOG; organiser of postgraduate teaching programme 1998 – 2001.
Tutor in Clinical Ethics Course, 1999 – 2001. Ethics debates 2006 - present.
Personal Tutor to medical students from all years 1997-2011.

International University Roles

Member of Cochrane Review Panel, Menstrual disorders and Infertility, 2006-present.
Advisor to Colombo Institute for Women's Health and Maternal Wellbeing, Sri Lanka.
Dr Chandrika Wijeyeratne.

British Fertility Society

Chair: January 2015-2018.

Member since 1991.

Member of The National Committee of the B.F.S., 1995 – 2002; 2008 - present.

Chair Policy and Practice Committee, 2008 - present.

Treasurer of The B.F.S., 1998 – 2002.

Junior Representative on the B.F.S. Committee, 1995 – 1998.

Member of Policy and Practice Subcommittee, 1996 – 1998.

Director of B.F.S. Ltd and Company Secretary, 1998 – 2001.

Trustee of B.F.S. Educational Charity Ltd, 1999 – 2001.

BFS/RCOG Preceptor – 1) Management of Infertility; 2) Assisted Reproduction;
3) Ultrasound for Infertility; 4) Embryo Transfer.

Member of Working Group on NHS Provision of Fertility Services, 1999 - 2002.

BFS representative on National Infertility Awareness Campaign, 1998 – 2001.

BFS representative on National Obesity Research Organisation, 2006 -2012.

Co-editor of *Human Fertility*, 1998 - 2004.

Scientific Advisory Board of *Human Fertility*, 2004 - present.

Co-editor of the *Journal of the British Fertility Society*, 1996 – 1998.

British Society of Paediatric and Adolescent Gynaecology (BritSPAG)

Co-Founder of BritSPAG, 1998.

Secretary and founder member of National Committee of BritSPAG, 1998 - 2009.

Member since 1998.

Jack Dewhirst Memorial Prize Lectureship, March 2015: The evolution of PCOS through adolescence and beyond.

Other National Societies

Executive Committee and founding member of PCOS UK, 2005 – present.

Author of: Guidelines on diagnosis and management of polycystic ovary syndrome.
Also published in: Clinical Guidelines for primary care, volume 32, June 2007.
<http://www.eguidelines.co.uk> , written for and published on behalf of *PCOS UK*.

Member of the Society for Endocrinology, 1996 - 2009.
Associate editor of *Clinical Endocrinology*, 2003 – 2007.

Member of The Gynaecological Club, 1997 - present.

Fellow of the Royal Society of Medicine (RSM) 1983-1998,
Member of Council of Section of O & G, RSM 1994-7.

Founder member of The Yorkshire Menopause Group, 1997.
Treasurer, 1997 – 2000.

Founder member of the Fertility Research Organising Group, 1997 - present.
Secretary, 1997 – 2000.

Member of the Ovarian Club, 1994 - 2008.
Member of the British Society for Gynaecological Endoscopy, 2000 - 2005.
Member of the Blair Bell Research Society, 1993 – 2000.
Member of the Family Planning Association, 1990 – 2001.
Member of the Victor Bonney Society, 1990 – 1998.

International Societies

European Society of Human Reproduction and Embryology (ESHRE)

Member since 1995.
Member of International Scientific Committee, 2008 - 2012.
Chair of Special Interest Group (SIG) in Reproductive Endocrinology, 2008 – 2011,
representing 1500 members of the Society.
Committee member, SIG in Reproductive Endocrinology, 2001 – 2013.

Associate Editor of *Human Reproduction*, 2001 – 2004; 2010 - 2013.

Chair of ESHRE, Young Scientist Prize Committee, 2004, 2009.
Convener joint RCOG/ESHRE Meeting on Ovulation Induction, April 2004, London.
Convener joint RCOG/ESHRE Meeting on PCOS, 2007, London.

Member of joint ESHRE/ASRM Consensus Working Groups and co-author of guidelines on the *Definitions of polycystic ovary syndrome* (2003) and *The management of infertility in polycystic ovary syndrome* (2007). And co-convener of joint ESHRE/ASRM Consensus Working Group on *The management of non-infertility aspects of polycystic ovary syndrome* (planned for 2010).

American Society for Reproductive Medicine (ASRM)

Member since 1996.

Member of “Ad Hoc” Editorial Board, *Fertility and Sterility*, since 2001.
Member of Paediatric and Adolescent Gynaecology Special Interest Group.

Patient Support Groups

Member of Medical Advisory Board of Infertility Network UK, (the combined national infertility patient support group, combining CHILD and ISSUE) 2005 – present.

Medical Advisor on Female Infertility, 2005-present.

Previously, before amalgamation: Member of the Board of CHILD (National Infertility Patient Support Group) 1992-1999, and Medical Advisor on Infertility, 1992- 2005.

Patron of ACeBabes, the national society for parents and children born by assisted conception, 2003-2010.

Medical advisor to Verity (PCOS national support group), 1997 - present.

Board Member of “PCOS UK” – The PCOS professional group.

Medical advisor to ALIAS (Androgen Insensitivity Support Group), 1997 - present.

Medical advisor to The CAH Support Group, 2001 - present.

Medical advisor to the Turner’s Syndrome Society, 2002 - present.

Advisory Board Member, *Pathways to Pregnancy*, magazine, 2005 – 2008.

Major Radio and TV appearances

BBC Radio 4:	Woman’s Hour 2002, 2007 - PCOS The Today Programme 2007 – National Obesity Guidelines Check Up 2008 – whole programme on PCOS.
ITV:	2003, Making Babies, 3 Part Programme on our IVF Unit.
Channel 4:	2008 – management of PCOS on <i>Embarassing Bodies</i> .
BBC 1:	2011 - <i>Me, My Sex and I</i> (Disorders of Sexual Development).

Regular interviews on BBC national and local radio, independent radio stations and local and national newspapers.

Education

1968 - 1978 University College School, Hampstead, London
1978 - 1983 The Medical College of St Bartholomew's Hospital,
University of London

Achievements at Medical College

1981 - 1982 Chairman, Students' Union
1979 - 1981 Assistant Treasurer & Treasurer, Students' Union
1978 - 1982 Rowing, 1st eight and 1st four
1979 - 1982 Reviews and shows, performer and producer
2003, 2008 Co-organiser of reunions!

Previous appointments

1.6.94 - 30.12.96 Senior Registrar in Obstetrics and Gynaecology
and subspecialist trainee in Reproductive Medicine
Nuffield Department of Obstetrics and Gynaecology
John Radcliffe Hospital, Oxford.
Consultants: Professor D Barlow, Mr FM Charnock

1.7.93 - 31.5.94 Registrar in Obstetrics and Gynaecology
The Hillingdon Hospital, Uxbridge, Middlesex
Consultants: Mr CS Wright & Mr VP Robinson

1.8.90 - 30.6.93 Research Fellow / Honorary Registrar
Department of Reproductive Endocrinology
The Middlesex Hospital and The Hallam Medical Centre, London
and Visiting Research Fellow,
Division of Endocrinology, National Institute for Biological
Standards and Control, South Mimms, Herts.
Supervisor: Professor HS Jacobs

1.7.89 - 31.7.90 Registrar, Obstetrics and Gynaecology
St Mary's Hospital, London and
The Central Middlesex Hospital, London
*Professor RW Beard, Sir George Pinker, Mr FE Loeffler,
Mr DB Paintin, Mr NPI Armstrong & Mr EAD Manning*

1.4.89 - 30.6.89 R.M.O. Clementine Churchill Hospital, Harrow, London

6.9.88 - 31.3.89 Senior House Officer, Obstetrics
Queen Charlotte's and Chelsea Hospital, London
Mr J Malvern, Mr ED Morris, Dr M de Swiet

1.2.88 - 31.7.88 S.H.O. Diabetes and Endocrinology
The Middlesex Hospital, London
Professor HS Jacobs, Dr AB Kurtz

- 1.2.87 - 31.1.88 S.H.O. Gynaecology
The Samaritan Hospital for Women, London
*Mr DB Paintin , Mr PJ Steer, Mr FE Loeffler , Mr AC Fraser,
Professor RW Beard , Sir George Pinker, Mr WP Mason
& Dr C Coulter*
- 1.9.86 - 31.1.87 S.H.O. Obstetrics and Gynaecology
The London Hospital, London
Mr T Beedham & Mr DH Oram
- 1.2.86 - 31.7.86 S.H.O. Obstetrics and Gynaecology
Harold Wood Hospital, Essex
Mr DMC Forster, Miss ER Burton & Mr P Bolton
- 1.2.85 - 31.1.86 Medical Officer
St Rita's Hospital, Homeland of Lebowa,
Republic of South Africa
- 1.8.84 - 31.1.85 S.H.O. Accident & Emergency
St Bartholomew's Hospital, London
Mr S Miles
- 1.2.84 - 31.7.84 House Physician
Harold Wood Hospital, Essex
Dr D Moul, General Medicine and Diabetes
- 1.8.83 - 31.1.84 House Surgeon
North Middlesex Hospital, London
Mr R Payne, General Surgery, Mr JJH Mulnier, Orthopaedics

Prizes

- 1982 Hayward Prize, St Bartholomew's Hospital Medical College, for contributions to the College.
- 1982 University of London Laurels, for contributions to the University of London Union Medical Group.
- 1994 Audit Prize, Hillingdon Hospital. Audit of Gynaecology Outpatients Service.
- 1994 Green Armytage Anglo-American Prize Lectureship, R.C.O.G.: *Hypersecretion of LH in PCOS*.
- 1994 British Fertility Society Prize for best oral presentation, Glasgow, May 1994.
- 1995 The Frewin Prize, awarded by the Oxfordshire Health Service Research Committee. For the best essay in any branch of medical research.
- 1995 R.C.O.G. Ethicon Travel Award.
- 1996 Nichols Fellowship, Royal Society of Medicine.
- 1998 American Society of Reproductive Medicine and IFFS, First Prize Video Award: "In vitro maturation of human oocytes", jointly with R. Gosden, D. Nugent and A.J. Rutherford.
- 2000 CHILD First Annual Prize lecture.
- 2004 RCOG, Blair Bell Prize Lectureship: *PCOS, A condition of our time*.
- 2004 Commonwealth Prize Scholarship, for Dr Ephraim Yasmin from India to work with me.
- 2005 Australian Fertility Society Exchange Prize, awarded at ESHRE, Copenhagen. for Tang T, Glanville J, Barth JH, Balen AH. Metformin in patients with polycystic ovary syndrome (PCOS) undergoing IVF. A randomised, placebo-controlled, double-blind study.
- 2005 Book: A Multi-Disciplinary Approach to the Management of Paediatric and Adolescent Gynaecology. Highly Commended in Obstetrics and Gynaecology category of the BMA Medical Book Awards, 2005.
- 2006 Book: Clinical Management of Polycystic Ovary Syndrome. Highly Commended in Obstetrics and Gynaecology category of the BMA Medical Book Awards, 2006.
- 2006 British Fertility Society Prize for Best Young Scientist, won by Karen Hemmings for amino acid profiling of oocytes. Co-author with Henry Leese and Helen Picton.

2006 LURE Scholarship, University of Leeds; awarded to Miss Dhakshana Sivayoganathan, medical student for work on PCOS.

2009. Victor Bonney Prize, RCOG. *Disorders of Sexual Development and Differentiation. How, where and When?*

2009 Clinical Research Prize at the Israeli Fertility Association Annual Meeting, Tel Aviv, May 11-12, Clomifene or low-dose FSH for the first-line treatment of anovulatory PCOS: A prospective randomised multinational study (COFFI). R. Homburg, M.L. Hendriks, T. Konig, R.A. Anderson², A. Balen³, M. Brincat, T. Child, M. Davis, T. D'Hooghe, A. Martinez, M. Rajkhowa, R. Rueda-Saenz, P.G. A. Hompes, C.B. Lambalk.

2010. Alexander Gordon Lectureship, University of Aberdeen.

2010. FRIGGA prize, awarded jointly to H.Picton, AJ Rutherford, V Sharma and AH Balen, by Ferring Pharamaceuticals at ESHRE, Rome.

2014. The evolution and revolution of infertility treatment. The First Professor Subhas Mukerjee memorial lecture. Kolkata, India.

2015. Jack Dewhirst Memorial Prize Lectureship, British Society for Paediatric and Adolescent Gynaecology, March 2015, London: The evolution of PCOS through adolescence and beyond.

Visiting Professorship

2004 Schellekens Foundation Visiting Professorship 2004, Maastricht and Nijmegen, The Netherlands, December 2004. Lectures on Polycystic Ovary Syndrome and Intersex.

Research Grants

- 1992 North East Thames Regional Health Authority Locally Organised Research Scheme. £24,000 grant for M.D. project (Principal Investigator).
- 1992 The Robert Malcolm Award for Study Overseas. £5,000. A travel award to Columbus University, Ohio, U.S.A. to visit the laboratories of Professor Doug Danforth, then the leading authority on gonadotrophin surge attenuating factor and to present my data in the U.S.A. (Principal Investigator).
- 1992 Middlesex & University College Hospitals, Clinical Research and Development Committee. A £28,000 grant for my M.D. project (Principal Investigator).
- 1995 Anglian and Oxfordshire Regional Health Authority, Clinical Research Grant. A grant of £28,500 for a joint project with Professor Martin Vessey and Dr David Dunger on adolescent obesity, menstrual disorders and PCOS (Principal Investigator).
- 1996 BUPA Medical Foundation, Clinical Research Grant. £81,000 for the adolescent PCOS study (Principal Investigator).
- 1998 Collaborating centre for the MRC Co-operative on the Development of the early human embryo. £900,000. Principal investigator: Professor Henry Leese, York University; other members: Leeds (senior investigator Dr Helen Picton, with clinical input from A. Balen and A. Rutherford), Manchester and Southampton.
- 1999 Special Trustees, Leeds General Infirmary for RCT study of Metformin versus placebo in the management of anovulatory PCOS, £125,000, (Principal Investigator).
- 1997 Serono Laboratories (U.K.) International Ovulation Induction, Phase 3 low dose protocol study, £60,000 (Principal Investigator).
- 1998 Organon Laboratories (U.K.) Starting dose 50 IU Puregon study, £25,000 (Principal Investigator).

- 1999 Organon Laboratories (U.K.) International Ovulation Induction, Phase 4 low dose protocol study, £65,000 (Principal Investigator).
- 2000 Commonwealth Fellowship, Dr Wijeyeratne (Principal Investigator), Clinical manifestations and insulin resistance in PCOS amongst South Asians and Causcasians, in collaboration with Dr P Belchetz, 2 years, £150,000.
- 2001 Organon Laboratories (Netherlands) International Ovulation Induction, Phase 2 dose finding study, FSH-CTP, £100,000 (Principal Investigator).
- 2002 Schering Laboratories Ltd (U.K.) Observational study for the use of Yasmin in polycystic ovary syndrome, £30,000 (Principal Investigator).
- 2003 Phase 2 randomised, double blind, placebo controlled study to investigate the optimal dose of a single administration of Org 36286 (FSH-CTP, corifollitropin alpha) to induce monofollicular ovulation in women with WHO Group II anovulatory infertility. Principal investigator: Adam Balen. Collaborating centres: Prof Bart Fauser, Rotterdam; Prof Paul Devroey, Brussels. Funding: Organon Laboratories £72,000.
- 2003 Prospective RCT for the use of Yasmin versus Dianette in the management of women with PCOS. Principal investigator: Adam Balen. Collaborators in Leeds: Dr J Barth, Dr M P-Singh. Funding: Schering Healthcare, £70,000.
2003. A study of candidate genes which may be involved in the aetiology of premature ovarian failure. Principal investigator: Dr E Kendall, Dr D Iles, Mrs S Burnham, School of Biology, Collaborators: Dr Adam Balen – all in Leeds. Funding: WellBeing £56,000.
- 2003 RCT of Bravelle versus Gonal-F in the management of anovulatory infertility. Principal investigator: Adam Balen. Ferring Pharmaceuticals, ~ £10,000.
- 2004 RCT of Menopur versus Gonal-F in the management of anovulatory infertility. Principal investigator: Adam Balen. Ferring Pharmaceuticals, ~ £10,000.
2004. Targeting gene function in human oocytes and ovarian somatic cells using antisense technologies. Principal investigator: Helen Picton & Adam Balen, Leeds. Collaborators: John Huntriss, Leeds, Prof Henry Leese, York. Wellbeing £98,711.
2004. Human sperm as a tool for the identification of genes and proteins linked to male infertility. PI: David Miller, M Brinkworth, D Iles, Gilthorpe M, Picton H, A Balen. Biotechnology and Biological Sciences Research Council (BBSRC) £187,000.
- 2004-7: Chromatin packaging in mammalian spermatozoa: BBSRC (with David Iles, Biology Martin Brinkworth (Bradford) and Adam Balen (Leeds RMU, LGI) £167,177
- 2003/4 Prospective study for the optimal timing of hCG in GnRH antagonist cycles in IVF. Principal investigator: Adam Balen in Leeds. Funding: Organon, £20,000.

2004 Molecular and cellular markers of egg quality. PI: Helen Picton, Henry Leese (York), Adam Balen. British Fertility Society, Serono Fellowship £72,100.

2004 The generation of human embryonic stem cells. PI: Helen Picton, Henry Leese (University of York), Adam Balen. Medical Research Council £238,969.

2004 Dipeptidyl peptidase in PCOS. Principal investigator: Adam Balen. Funding: Ferring Pharmaceuticals, £15,400.

2005-8: RNA profiling of human ejaculate spermatozoa: linking gene expression dynamics with fecundity at the molecular level. MRC (with David Iles, Biology, Mark Gilthorpe, LIGHT, Martin Brinkworth (Bradford), John Huntriss, Helen Picton (Leeds), David Morroll, (Leeds RMU, LGI) and Adam Balen (Leeds RMU, LGI) £194,424.

2005 Fibrin structure/function in pre-menopausal women polycystic ovary syndrome: the effect of insulin resistance independent of glycaemia and the role of post-translational modifications to fibrinogen. British Heart Foundation, Research Fellowship (no. FS/05/031), with Dr Eleanor Scott.

2006 FSH-CTP in IVF – a double-blind placebo controlled RCT. Organon Laboratories, £60k.

2010. FRIGGA Prize for oocyte research and metabolism, Ferring Pharmaceuticals. PI Helen Picton. £50k.

2013. MRC programme grant; PI Helen Picton: Lifecycle and legacy of human oocytes in health age and infertility. £1.1m

(£3,971,000)

Ongoing Research Projects, 2014

PCOS genetics: folate metabolism, inflammatory markers etc.; PCOS genetics: Asian vs PCO; International collaboration with C Wijeyeratne.

Embryo and oocyte quality/metabolism in PCO and other conditions.

Metformin vs placebo in women with PCOS in GnRH antagonist cycles and FERC cycles.

Nomograms for AMH in women with PCOS and normal ovaries and predictors of IVF success.

National and International Meetings Personally Organised (Major in italics)

- 1995: Principal Organiser, First BFS Juniors Meeting, Windermere.
1996: Principal Organiser, BFS Juniors Meeting, Leeds.
1997: Principal Organiser, BFS Juniors Meeting, Stratford-upon-Avon.
1999: *Principal Organiser, Inaugural meeting of the British Society for Paediatric and Adolescent Gynaecology, London.*
2000: *Principal Organiser, International PCOS Clinical Symposium, BFS Winter Meeting Bath*
2001: *Second national meeting of The British Society for Paediatric & Adolescent Gynaecology (BritSPAG), London.*
2001: Programme organizer First British Winter Fertility Workshop, Villars.
2001: Principal Organiser, Prevention of Adhesions, Workshop, Leeds.
2001: Principal Organiser, Gynaecological Club Autumn Meeting, Leeds.
2002: Programme Organizer Second British Winter Fertility Workshop, Davos.
2002: *Principal Organiser, Third national meeting of BritSPAG and first national training day in Paediatric and Adolescent Gynaecology, Leeds.*
2003: Programme organizer Third British Winter Fertility Workshop, Chamonix.
2003: *Third national meeting of BritSPAG, London.*
2003: Chair, National Working Group on Prions in Infertility Therapy.
2004: *Principal Organiser ESHRE/RCOG Meeting on The Evidence-based Management of Ovulation Induction, RCOG, London (International).*
2004: Programme Organizer Fourth British Winter Fertility Workshop, Davos.
2004: *Fourth national meeting of BritSPAG, London.*
2007: *Co-convener, Special Study Group on Obesity, London.*
2010: *Co-convener, Special Study Group on PCOS, London.*

International Scientific and Programme Committees

- 2001: International Advisory Board: Controversies in Obstetrics & Gynaecology, Paris.
2002: International Advisory Board: 11th World Congress on Human Reproduction, Montreal.
2002: Scientific Committee SSF Meeting on Fertility Preservation, Leeds.
2003: Scientific Committee Fourth national meeting of BritSPAG, London.
2003: Faculty ESHRE Consensus Meeting on PCOS, Rotterdam.
2003: Scientific Committee, ESHRE/ASRM Workshop, Madrid.
2003: International Scientific Committee, PCOS Meeting, Turkey.
2004: International Scientific Committee, 6th Updates in Infertility Treatment. Florida.
2004: Scientific Committee, ESHRE/ASRM Workshop, Berlin.
2005: Scientific Committee, ESHRE/ASRM Workshop, Copenhagen.
2006: Scientific Committee, French Society of Gynaecology, Paris.
2007: Scientific Committee, World Congress on IVF and IVM, Montreal.
2007: *Principal Organiser joint RCOG/ESHRE Meeting on PCOS, RCOG, London.*
2008: International Scientific Comm 8th Updates in Infertility Treatment, Cape Town.
2009: ESHRE Amsterdam, International Scientific Committee.
2009: *ESHRE Campus, Budapest: Old and New Hormones.*
2008: International Scientific Committee, 9th Updates in Infertility Treatment, Seville.
2010: *ESHRE Campus, Kiev: Training in reproductive medicine.*
2010: *ESHRE Rome, International Scientific Committee.*
2010: *ESHRE Campus, Dubrovnic: A healthy start to pregnancy.*

2010: ESHRE/ASRM Consensus on PCOS, Amsterdam.
2011: ESHRE Stockholm, International Scientific Committee.
2012: Updates in Infertility Meeting, Budapest, International Scientific Committee.
2013: ESHRE/ Campus on PCOS, Rome.
2013: Roy Homburg 70th Birthday Symposium, Leeds.
2014: Updates in Infertility Meeting, Prague, International Scientific Committee.
2015-2018: British Fertility Society - all National Meetings plus Joint Fertility Societies Meetings.
2016: Updates in Infertility Meeting, Lisbon, International Scientific Committee.

Supervision of Research Theses

Oxford University, Doctor of Philosophy Degree Supervisor, Dr K Michelmores (2000).
School of Medicine, Leeds: D.Clin.Psychol, Dr J. Alderson (2000).
Leeds University, MD Supervisor, Dr C Hayden (2001).
University of Colombo, Sri-Lanka, PhD Supervisor, Dr C Wijeyaratne (2003).
Leeds University, MD Supervisor, Dr T Tang (2007).
Leeds University, MD Supervisor, Dr M Palep-Singh (2009).
Leeds University, MD Supervisor, Dr E Yasmin (2011).
Leeds University, MD Supervisor, Dr M Deivanayagam (2011).
Leeds University, MSc Supervisor, Dr Chris Brewer (2012).
Leeds University, MD Supervisor, Dr Susie Nicholas... in progress...

RCOG Preceptor for Special Skills Modules – successful candidates supervised

2005: Vyjay Srivanayasan – Infertility; Assisted Conception; Gynae ultrasound.
2006: Rami Hamzeh - Infertility; Assisted Conception.
Maruthini Deivanayagam - Infertility.
Mohammed Hassan – Infertility; Assisted Conception.
2008: Maruthini Deivanayagam – Assisted Conception.
Santanu Acharya - Infertility; Assisted Conception.
2009: Thomas Tang - Infertility; Assisted Conception.
2010: Dr Chris Brewer - Infertility; Assisted Conception.

Examining

Leeds University: MB, BS; MSc Clinical Embryology.
UK Universities: MD, PhD & DPhil theses - London, Oxford, Birmingham, Glasgow, Exeter & Plymouth.
Overseas Universities: PhDs Amsterdam, Brussels, Copenhagen; DPhil, Adelaide, Australia.

Journal Editorships

Scientific Editor, *British Journal of Obstetrics and Gynaecology*, 2004 – present.
Editor of special issue of BJOG on Obesity, 2006;
Editor of special issue of BJOG on Reproductive Health of Adolescents, 2010.
Associate editor of *Human Reproduction*, 2001 – 2005; 2011 - present.
Member of “Ad Hoc” Editorial Board, *Fertility and Sterility*, 2001 – 2009.
Associate editor of *Clinical Endocrinology*, 2003 – 2008.
Co-editor of the *Journal of the British Fertility Society*, 1996 - 1998
Co-editor of *Human Fertility*, 1998 - 2004.
Advisory Board of *Human Fertility*, 2004 - present.
Editorial Board *Expert Review of Obstetrics and Gynecology*, 2005 – present.

Member of Editorial Board *Facts, Views and Visions in ObGyn*, 2009 – present.
Editorial Board, *Pathways to Pregnancy*, 2005 - 2009.
Editorial Board *Seminars in reproduction*, 2010 – present.

Refereeing

Reviewer for the Cochrane Collaboration;
Regular referee for scientific journals including: *British Medical Journal*, *Human Reproduction*, *Fertility & Sterility*, *British Journal Obstetrics & Gynaecology*, *Human Fertility*, *Clinical Endocrinology*, *Ultrasound in Obstetrics & Gynaecology*, *Reproductive Medicine on Line*, *Journal of Clinical Investigation*, *European Journal Obstetrics & Gynaecology*, *Gynecologic and Obstetric Investigation* etc..
Referee for grants on behalf of: The MRC, Wellcome, Wellbeing, Regional Health Authorities, SHERTS; The Netherlands Healthcare Efficiency Programme, British Heart Foundation, Belgian Research Council.
Referee and co-author for *The Drug and Therapeutics Bulletin*, 2001 – present.
Referee for the European Society of Human Reproduction and Embryology, 1999 – .
Referee for the Human Fertilization and Embryology Authority, 1999 – present.
Abstract refereeing for meetings: ESHRE, RCOG, BFS
Guideline referee, RCOG, 2002 - present.
Chair of ESHRE, Young Clinician Prize Committee, 2004 – present.
Referee for young scientist prize, Turkish Academy of Science 2008.
Referee for FRIGGA, Ferring International Grant awards body, 2008.

Audit

1997: Endocrine investigation of infertility - prolactin measurements
1998: Thyroid function tests in the investigation of infertility
1999: RCOG Guidelines in management of menorrhagia and Infertility
1999: Serum hCG measurements for diagnosis of pregnancy after IVF
2000: Bar-coded endocrine measurements in the gynaecology clinic.
2003: Evaluation of time taken for surgical management of miscarriage.
2004: Evaluation of patient information leaflets on laparoscopy (written by AHB).
2005: Audit of patients attending adolescent gynaecology clinic.
2005: Audit of ovulation induction service.
2006/7: Audit of HSG versus Laparoscopy.
2009/10: Audit PAG Service, Leeds and dilator outcomes.
2012; Antibiotic use in the RMU.

Commercial Consultancies and International Advisory Boards:

Wallace Women's Healthcare: Consultant, 1995-1997, 2002 – 2004.
Shire Healthcare, Adept Advisory Board, 2001-4.
Organon Laboratories Ltd, Cambridge: Member Advisory Board, 1998-2009.
Organon International Advisory Board on novel gonadotrophins, 2001 – 2009.
Serono European Advisory Board on Infertility, 2003 – 2009.
Serono International Advisory Board on Ovulation Induction, 2004 – 2006.
Ferring International Advisory Board on Prions in Infertility, 2002 – present.
Ferring International Advisory Board, Developments in Infertility Therapy, 2002.
Clear Blue Medical Advisory Board, 2014 – present.

Training Courses Attended

Introduction to minimal access surgery, BFS, December 1994, LIMIT Unit, Leeds.

1995. Video-endoscopic surgery: 2 day course, University of Leuven, Belgium.

1995. Microsurgical techniques: 5 day course, Northwick Park Hospital, London.

Management Training Course: 3 day course, Oxford, March 1996.

1996. Advanced video-endoscopic surgery: 2 days, University of Leuven, Belgium.

Appraisal of trainees course, Leeds 1998.

Invited Lectures of International Standing (*major plenary lectures)

1. * The control of luteinising hormone secretion in women with the polycystic ovary syndrome. *World Congress on Human Reproduction, Bali, April 1993.*
2. * Induction of ovulation for the management of anovulatory infertility. *British Fertility Society, Oxford, December 1993.*
3. Assisted Conception - better than natural conception? *Congress of the European Society for Gynecologic and Obstetric Investigation, Madonna di Campiglio, Italy, February 1994.*
4. Assisted Reproduction Techniques - hopes and reality. *Irsee Symposium on Assisted Reproduction, Munich, Germany, February 1994.*
5. The investigation and treatment of infertility. "G.P.'94", *Birmingham, May 1994.*
6. New insights into the control of LH secretion. *Ovarian Club, Royal Society of Medicine, May 1994.*
7. * Hypersecretion of LH and the polycystic ovary syndrome. *Green Armytage Anglo-American Prize Lecture, Royal College of Obstetricians and Gynaecologists, Symposium on Infertility, Edinburgh, June 1994.*
8. * LH and miscarriage. *Early Pregnancy Symposium, Royal Society of Medicine, January 1995.*
9. What's new in infertility? *R.C.O.G. Diplomates' Meeting, Southampton, April 1995.*
10. * Selection and management of ovulation induction therapy. *Infertility, R.C.O.G., London, June 1995.*
11. Ovulation induction for PCOS. *Organon expert meeting on infertility, Montego Bay, Jamaica, November 1995.*
12. * Management of infertility in PCOS. *Royal Society of Medicine, Meeting on PCOS, December 1995.*
13. * Clinical Determination of FSH. *Symposium on FSH Standardisation, National Institute of Biological Standards and Control, March 1996.*
14. * Risk Management in Ovulation Induction. *British Endocrine Society, Dublin, March 1996.*
15. * PCOS: Menstrual disturbances and endometrial cancer. *R.C.O.G. meeting on Amenorrhoea, London, March 1996.*

16. Stimulation Regimens in IVF. *Organon expert meeting on infertility, Montego Bay, Jamaica, November 1996.*
17. Current Understanding of PCOS. *Merseyside Family Planning Course, Warrington, April 1997.*
18. Metformin for PCOS. *Serono Seminars, Morzine, March 1998.*
19. * Ovulation induction. RCOG Study Group on evidence-based infertility treatment, RCOG, April 1998.
20. Hormone replacement therapy. Reproductive toxicology. *Leeds, June 1998.*
21. * The control of ovarian aging. International Symposium on ovarian aging and failure, ESHRE and the European Menopause Society. *Brussels, September 1998.*
22. * Surgical management of PCOS. International Symposium on Reproductive Health and Infertility, To mark retirement of Professor Howard Jacobs, Royal College of Physicians, *London, September 1998.*
23. Laparoscopic treatment of PCOS. Joint RCOG/BSGE Meeting, RCOG, *London, November 1998.*
24. * Ovulation induction for PCOS. RCOG/BFS Meeting: Evidence-based fertility treatment, RCOG, November 1998.
25. Low dose regimens for ovulation induction in PCOS. International Consensus PCOS meeting, *Athens, November 1998.*
26. Low dose regimens for ovulation induction in PCOS. Middle-Eastern Fertility Society, *Amman, November 1998.*
27. * Endocrine disorders in Epilepsy. European Epilepsy Society, *Birmingham, April 1999.*
28. * Low dose regimens for ovulation induction in PCOS. ESHRE, *Tours, June 1999.*
29. Endocrine determinants for ovulation induction. Organon Symposium, *Cancun, Mexico, Nov 1999.*
30. * Ovulation Induction for PCOS. BFS, *Bath, January 2000.*
31. * Sport, exercise and the menstrual cycle. Sports Gynaecology, RCOG, *London, February 2000.*
32. * Amenorrhoea, oligomenorrhoea and polycystic ovary syndrome. Disorders of the Menstrual Cycle, RCOG Study Group, *London, March 2000.*

33. * Assisted Conception. Obstetrics & Gynaecology, Frontiers for the Future, Royal College of Physicians, *London, March 2000.*
34. Funding for Infertility Care. *Serono Seminars, Villars, France, March 2000.*
35. What's new in polycystic ovary syndrome. Faculty Family Planning and Reproductive Health Annual Conference, *London, May 2000.*
36. * Investigations for polycystic ovary syndrome; NEQAS satellite symposium at *Pathology 2000, Birmingham, May 2000.*
37. CHILD Prize Lecture, CHILD Annual Conference, *Warrington, May 2000.*
38. The role of LH in folliculogenesis. University College Hospital course on Reproductive Medicine, *London, June 2000.*
39. * Ovulation induction for PCOS. Fertility 2000, joint meeting of BFS, SSF and BAS. Edinburgh, July 2000.
40. The role of LH in ovulation induction. Fertility 2000, joint meeting of BFS, SSF and BAS. Edinburgh, July 2000.
41. * Assisted Conception, Royal Society of Medicine General Practitioners Annual Conference, *London September 2000.*
42. * Polycystic ovary syndrome – A normal variant? FFP/RCOG Joint Meeting. Royal College of Physicians, *London, September 2000.*
43. * Amenorrhoea, oligomenorrhoea and polycystic ovary syndrome. Disorders of the Menstrual Cycle, RCOG, *London, November 2000.*
44. Ovulation induction. Fertility Research Organising Group Educational Meeting, *RCOG London, February 2001.*
45. New Thoughts on the pathogenesis of PCOS. BFS Educational Meeting, *Villars, Switzerland, March 2001.*
46. * Surgical management of PCOS. ESHRE Campus Workshop on Endoscopic Surgery. *London, April 2001.*
47. Current understanding of polycystic ovary syndrome. Portuguese National Gynaecological Society, Annual Meeting, *Porto, June 2001.*
48. Advances in assisted conception – The Leeds Experience. Portuguese National Gynaecological Society, Annual Meeting, *Porto, June 2001.*
49. * Paternal inheritance of mitochondrial DNA in trophoblast. ESHRE, *Lausanne, July 2001.*

50. * Fertility Aspects of PCOS. British Congress of Obstetrics & Gynaecology, *Birmingham July, 2001.*
51. * Polycystic Ovary Syndrome – Does National Opinion Matter? Symposium on Polycystic Ovary Syndrome, IFFS, *Melbourne, November 2001.*
52. The management of PCOS. RCOG Diplomates Meeting, *London, December 2001.*
53. The role of ovarian diathermy in PCOS. Frontiers in Reproductive Surgery, RCOG, London, February 2002.
54. * The surgical treatment of PCOS. 11th World Congress on Human Reproduction, Montreal, Canada, June 2002.
55. Metformin in PCOS – does the hype match the reality? FROGs Annual Meeting, RCOG, June 2002.
56. Ovulation Induction and Assisted Conception, National Infertility Day, London, June 2002.
57. Current Understanding of PCOS. Ceylon College of Physicians Annual Academic Sessions, Colombo, September 2002.
58. The Management of Intersex. Ceylon College of Physicians Annual Academic Sessions, Colombo, September 2002.
59. * PCOS: Senior Staff Conference, RCOG, London, November 2002.
60. * Ovulation Induction, BFS/RCOG Evidence Based Management of Infertility, RCOG, London, December 2002.
61. PCOS in Adolescence, RCOG/MSSVD Meeting, RCOG, London December 2002.
62. PCOS – Body image and quality of life. Joint RCOG/BSPOGA Meeting, RCOG, London, March 2003.
63. PCOS in Adolescence. 4th Annual Meeting of The British Society for Paediatric and Adolescent Gynaecology, London, March 2003.
64. Intersex conditions and infertility. Northern England Fertility Nurses Workshop, Harrogate, April 2003.
65. * Ovarian Surgery for PCOS, ASRM/ESHRE Consensus Workshop on PCOS, May 1st-4th 2003, Rotterdam.
66. * Ultrasound in the Diagnosis of PCOS, ASRM/ESHRE Consensus Workshop on PCOS, May 1st-4th 2003, Rotterdam.

67. Adolescent Gynaecology and Intersex. SPROGS Meeting, Belfast, May 2003.
68. Long term health risks in PCOS. FROGs Meeting, RCOG, London, June 2003.
69. * Laparoscopic surgery for PCOS. ESHRE, Madrid, July 2003.
70. * PCOS – Nomenclature and Diagnostic Criteria. ESHRE, Madrid, July 2003.
71. * Is PCOS an Ovarian Disorder? *Key Note Lecture in Opening Ceremony*. First International Meeting supported by the Androgen Excess Society on PCOS, Antalya, Turkey, September 2003.
72. PCOS and Cancer. PCOS Meeting, Antalya, Turkey, September 2003.
73. * The role of insulin resistance in PCOS. Royal Australia and New Zealand College of Obstetricians and Gynaecologists Annual Scientific Meeting, Auckland, September 2003.
74. * Reconstructive Surgery for Intersex Conditions. Royal Australia and New Zealand College of Obstetricians and Gynaecologists Annual Scientific Meeting, Auckland, September 2003.
75. * PCOS – Nomenclature and Diagnostic Criteria. ASRM, San Antonio, October 2003.
76. PCOS – Management of Infertility. Senior Staff Conference, RCOG, London, November 2003.
77. * Genetics of PCOS. Updates in Infertility Treatment, Florida, January 2004.
78. * The use of metformin for PCOS. Updates in Infertility Treatment, Florida, January 2004.
79. New Definitions of PCOS, British Fertility Society, Cheltenham, April 2004.
80. Ovulation Induction: optimizing results, minimizing risks, British Fertility Society, Cheltenham, April 2004.
81. *Evidence Based Management of Anovulatory Infertility. Joint ESHRE, RCOG Meeting, London, April 2004. Meeting organizer; introductory talk and presentation for summing up.
82. PCOS and ovulation induction. National Fertility Day, London, June 2004.
83. Management of Intersex. The European Society of Human Reproduction and Embryology, Berlin, July 2004.
84. *The use of metformin for PCOS. The European Society of Human Reproduction and Embryology, Berlin, July 2004.

85. PCOS and ovulation induction. The European Society of Human Reproduction and Embryology, Berlin, July 2004.
86. Pathophysiology of intersex, CAH and testicular feminization. Subspecialty Trainees meeting, RCOG London, September 2004.
87. Physiology of menarche. Subspecialty Trainees meeting, RCOG London, September 2004.
88. PCOS: A condition of our time? Fothergill Society, RCOG, London, October 2004.
89. Ovulation induction and IUI. Joint BFS, FROG and NIAC meeting on the NICE Guidelines in Infertility, RCOG, London, October 2004.
90. PCOS. Frontiers in Reproductive Medicine. RCOG, London, October 2004.
91. * PCOS: A condition of our time? Blair Bell Prize Lecture, Senior Staff Conference, RCOG, London, November 2004.
- 92-94. Evidence Based Use of Gonadotropins. Gothenberg & Stockholm, Sweden and Oslo, Norway. Three consecutive days, traveling lectureship for launch of Menopur, sponsored by Ferring Pharmaceuticals.
- 95-98. * Schellekens Foundation Visiting Professorship 2004, Maastricht and Nijmegen, The Netherlands, December 2004. Three lectures on Polycystic Ovary Syndrome and Intersex.
99. PCOS in Adolescents. British Society for Paediatric and Adolescent Gynaecology, AGM, Cambridge, February 2005.
100. Fertility Winter Meeting. Debate: Cost effectiveness and safety of gonadotropins. Val D'Isere, March 2005.
- 101-2. * 1) Defining PCOS; 2) OI in PCOS; European Society for Clinical Investigation. PCOS Symposium, Athens, April 2005.
103. PCOS: A condition of our time? Endocrinology Symposium, Ridding Park, Leeds, May 2005.
104. PCOS. Dublin Gynaecological Visiting Society, Leeds, May, 2005
105. * Obesity in Adolescents. ESHRE, Pre-Congress Workshop, Copenhagen, June 2005.
106. Paediatric and Adolescent Gynaecology. Paediatrics Radiology, Leeds, July 2005.
- 107-9. 1) PCOS, 2) Intersex, 3) Ovulation Induction. South African Obstetrics and Gynaecology, Annual Meeting, September, 2005.

110. PCOS and Obesity. Obesity Conference, RCOG, London, October 2005.
111. *The Clinical Meaning of the Polycystic Ovary. Peacocks Meeting, Avallon, France, October 2005.
112. Defining PCOS. British Medical Ultrasound Society, December 2005.
113. PCOS and Miscarriage. ESHRE Campus workshop, Liverpool, December 2005.
114. Metformin for PCOS. FROGs, RCOG, London, December 2005.
115. PCOS. Opening of new Reproductive Medicine unit, Warwick. December 2005.
116. Reproductive competency following laparoscopic ovarian surgery for PCOS. Updates in Infertility, Cape Town, South Africa, January 2006.
117. Diagnosis of PCOS – A practical guide to investigation. PCOS UK Inaugural Meeting, London, February 2006.
118. Pathophysiology of intersex, CAH and AIS. Science for Subspecialists, RCOG, April 2006. Debate: Metformin in PCOS.
119. Physiology and pathology of menarche. Science for Subspecialists, RCOG, April 2006.
120. Debate: Metformin is the treatment of choice for PCOS. European Society of Endocrinology. Glasgow, April 2006.
121. PCOS: new meanings to an old problem. Scandinavian advances in ART, Copenhagen, Denmark, April 2006.
122. PCOS and anovulatory infertility. RCOG/BFS Meeting on Infertility, London, April 2006.
123. Defining PCOS. Israeli Fertility Society, Jerusalem, Israel, May 2006.
124. PCOS, insulin resistance and the evidence for metformin. Nordic Gynecology Conference, Gothenberg, Sweden, May 2006.
125. PCOS and Metformin. FROGs study day, RCOG, London, June 2006.
126. Lifestyle issues and fertility, National Infertility Day, London, June 2006.
127. Obesity and ART, British Fertility Society, Glasgow, September 2006.
128. PCOS and Cancer. Serono Symposium on Reproduction and Cancer, Barcelona, September 2006.

129. PCOS: A condition of our time. French Society of Gynecology, Paris, October 2006.
- 130-133. Hypogonadotrophic hypogonadism; PCOS definitions, pathophysiology of PCOS, ovarian drilling. ESHRE/ASRM Pre-Congress Course. American Society for Reproductive Medicine, New Orleans, USA, October 2006.
134. Implantation in PCOS. American Society for Reproductive Medicine, New Orleans, USA, October 2006.
135. Amenorrhoea. Senior Staff Conference, RCOG, November 2006.
136. British Fertility Society, Management of Infertility: Ovulation Induction in PCOS, RCOG, London, January 2007.
137. RCOG Scientific Study Group on Obesity. PCOS, obesity, insulin resistance and reproductive health. RCOG, London, February 2007.
138. ESHRE/ASRM Consensus on Management of PCOS, Thessaloniki, Greece, March 2007: Diagnostic Criteria.
139. ESHRE/ASRM Consensus on Management of PCOS, Thessaloniki, Greece, March 2007: Laparoscopic ovarian diathermy: mechanisms of action.
140. Management of Infertility in PCOS, British Endocrine Society, Birmingham, March 2007.
141. PCOS Session – organiser and speaker on diagnosis and definitions. British Fertility Society, York, April 2007.
142. Insulin sensitizers in PCOS, Dutch-Flemish Annual IGO Meeting, Rotterdam, April 2007 (Plenary Lecture).
143. PCOS, insulin resistance and reproductive function. Royal Society of Medicine, Endocrine Section, London, May 2007.
- 144-146. 3 lectures: Pre-Congress Educational Course: Diagnostics approaches in PCOS and androgen excess; Medical management of hirsutism; Main Symposium: Management of developmental anomalies. European Society for Human Reproduction and Embryology, Lyon, France, July 2007.
147. Menstrual Disturbance in Adolescents, British Congress Obstetrics and Gynaecology, London, July 2007.
148. Diagnosis of PCOS. PCOS UK, York.
149. Peacocks Meeting, Sienna, September 2007. Cycle Disturbances in Adolescents with PCOS.

150. Management disorders sexual differentiation Paediatric and Adolescent determinants of Reproductive Health. Serono Symposium, Edinburgh, October 2007.
151. RCOG SSG on Obesity, open meeting. PCOS, obesity, insulin resistance and reproductive health. RCOG, London, October 2007.
152. Obesity and PCOS. National Obesity Forum, Annual Meeting, Royal College Physicians, London, October 2007.
153. ESHRE/RCOG Meeting on PCOS: Definitions, introductory lecture. RCOG, London, November 2007.
154. Debate: Pro and Cons of Egg Freezing. Senior Staff Conference, RCOG, London, November 2007.
155. RCOG/BSGE Joint Meeting: How my practise has changed in Reproductive Surgery. RCOG, London, December 2007.
156. Management of PCOS, Medical and diagnostic gynaecology, RCOG, London, March 2008.
157. Insights into paediatric and adolescent gynaecology, Fertility Winter Meeting, Courchevel, France, March 2008.
158. Update in use of metformin for PCOS, British Endocrine Society, Harrogate, April 2008.
159. Update in ovulation induction for PCOS, British Fertility Society, RCOG, London, April 2008.
160. Making the diagnosis of PCOS. PCOS UK, Birmingham, April 2008.
161. Management of anovulatory PCOS, International Meeting on Reproductive Medicine, St Bartholomew's Hospital, London, May 2008.
- 162 & 163. Update in paediatric and adolescent gynaecology **and** What's new in PCOS. *SPROGs* Meeting, York, June 2008.
164. The effect of obesity on reproductive outcome. Serono International Symposia, Barcelona, July 2008.
165. The health needs of adolescents. ESHRE Annual Meeting, Barcelona, July 2008.
166. PCOS and infertility. National Infertility Day, London, July 2008.
167. The effect of obesity on reproductive outcome. Bariatric Surgery and Reproduction, Imperial College, London, September 2008.

168. * What's new in PCOS? RCOG, 7th International Meeting, Montreal, September 2008.
169. Management of infertility in PCOS. M^cGill Symposium on reproductive endocrinology and infertility, Montreal, September 2008.
170. How to publish in the BJOG. RCOG, 7th International Meeting, Montreal, September 2008.
171. PCOS in adolescents. British Society for Paediatric and Adolescent Gynaecology, London, January 2009.
172. Disorders of Sexual Development and Differentiation. Dutch Society for Obstetricians and Gynaecologists, Arnhem, Holland, January 2009.
173. PCOS in adolescents. British Society for Paediatric Endocrinology and Diabetes. York, March 2009.
174. * Victor Bonney Prize, RCOG. *Disorders of Sexual Development and Differentiation. How, where and When?* London, April 2009.
175. Management of infertility in PCOS. BFS/RCOG Meeting, London, April 2009.
176. Induction of Ovulation in PCOS, Mediterranean Society for Reproductive Medicine, Florence, May 2009.
177. Defining PCOS. FOCUS, Liverpool, May 2009.
178. *Debate: "Putting our future on ice", against the case for social egg freezing. ESHRE, Amsterdam, July 2009.
179. What's New in PCOS? Association of Mauricians in Obstetrics and Gynaecology. Appollo Bramwell Hospital, Moka, Mauritius, August 2009.
180. Paediatric and Adolescent Gynaecology: Disorders of Sexual Development: Where, When and How? Association of Mauricians in Obstetrics and Gynaecology. Appollo Bramwell Hospital, Moka, Mauritius, August 2009.
181. Pathophysiology of Disorders of Sexual Development and Differentiation, Science for Subspecialties, RCOG, September 2009.
182. The meaning of the polycystic ovary. Peacocks Meeting, Istanbul, September 2009.
183. PCOS. British Society for Paediatric Dermatology. Leeds, November 2009.
184. Hyperandrogenism in women – diagnosis and management. ESHRE Campus Workshop, Budapest, Hungary, December 2009.

185, 186. Polycystic ovary syndrome, and Reproductive consequences of obesity, RCOG International Scientific Meeting, Abu Dhabi, UAE, December 2009.

187, 188. Defining PCOS. Laparoscopic ovarian surgery for PCOS. RCOG Scientific Study Group, RCOG London, February 2010.

189. Management of infertility in PCOS. BFS/RCOG Meeting, London, April 2010.

190, 191. Causes of anovulatory infertility. Management of PCOS. ESHRE, Kiev, May 2010.

192. PCOS – A condition of our time. Alexander Gordon Lecture, Aberdeen, June 2010.

193. * Investing and managing infertility. RCOG International Scientific Meeting, Belfast, June 2010.

194. Causes of anovulatory infertility. ESHRE, Rome, June 2010.

195. PCOS. British Association of Dermatology, July 2010.

196-198. PCOS: diagnosis; Investigations; LOD. PCOS Updates Meeting, Santiago, Chile, August 2010.

199. Obesity and Reproduction. ESHRE Campus Budapest, September 2010.

200-201. Defining PCOS. Laparoscopic ovarian surgery for PCOS. RCOG London, October 2010.

202, 203. * PCOS in Adolescents. Obesity in PCOS. ESHRE Campus, Consensus meeting PCOS, Amsterdam, November 2010.

204, 205. Update in PCOS. Ovulation induction. RCOG Senior Staff Conference, November 2010.

206. PCOS update. Serono Symposium, Barcelona, November 2010.

207, 208. PCOS Update; Algorithms for ovulation induction. BFS, Dublin. January 2011.

209. * PCOS – definitions and diagnosis. Royal Society of Medicine, Section of Obstetrics and Gynaecology, London, January 2011.

210. PCOS and anovulatory infertility. RCOG / BFS training course, London, April 2011.

211. Obesity and reproduction. ESHRE Campus workshop, Southampton, May 2011.

212. * Fetal outcomes from ovulation induction. ESHRE Capri Workshop, Capri, August 2011.
- 213, 214. PCOS; Algorithms for ovulation induction. ESHRE Campus training workshop, St Petersburg, September 2011.
215. * PCOS. BICOG, Athens, September 2011.
- 216-218. Defining PCOS; PCOS and Adolescence; Long term health risks of PCOS. ESHRE Campus workshop on PCOS, Sofia, December 2011.
219. Debate: opposing the motion *Complementary therapy significantly improves fertility*. British Fertility Society, Leeds, January 2012.
220. PCOS and anovulatory infertility. RCOG / BFS training course, London, April 2012.
221. Understanding the NICE Guidance on Infertility. RCOG, Senior Staff Conference, London, December 2012.
222. * PCOS and pregnancy outcome. NIH Consensus Meeting, Bethesda, Maryland USA, December 2012.
223. * Consensus on health aspects of PCOS. British Endocrine Society, Harrogate. March 2013.
224. Overview of PCOS. Leeds meeting to celebrate 70th birthday of Professor Roy Homburg, Leeds. March 2013.
225. Causes of anovulatory infertility. RCOG / BFS training course, London, April 2013.
226. Ovarian Surgery: who, when, how? French Society Reproductive Medicine, Lille, France. May 2013.
227. Race/Ethnicity must be considered in the diagnosis and management of PCOS. Peacocks Meeting, Orange, France, September 2013.
228. * Consensus on health aspects of PCOS. ESHRE Campus workshop on PCOS, Rome, Italy. October 2013.
229. PCOS and miscarriage. Association of Early Pregnancy units, Annual Meeting, Leeds, November 2013.
230. Update on diagnosis and management of PCOS. British Fertility Society, Annual meeting, Sheffield. January 2014.
231. Should there be an age limit for ART? Debate. ESHRE/ASRM meeting, Cortina, Italy, March 2014.

232. Causes of anovulatory infertility. RCOG / BFS training course, London, April 2014.
233. Update on PCOS, National Association of Premenstrual Syndrome, annual meeting, Leeds, May 2014.
234. *Ovulation induction, From now on. SISMER annual meeting, Venice, September 2014.
235. *The evolution and revolution of infertility treatment. The First Professor Subhas Mukerjee memorial lecture. Kolkata, India, November 2014.
236. An update on the management of PCOS. Infertility Update Meeting. Kolkata, India, November 2014.
237. Ovulation induction into the future. Infertility Update Meeting. Kolkata, India, November 2014.
238. Defining PCOS. Radiology Meeting, Leeds.
- 239 / 240 Dubai, Fakh IVF International Meeting: An update on the management of PCOS; Ovulation induction into the future.
241. *Jack Dewhirst Memorial Prize Lectureship, British Society for Paediatric and Adolescent Gynaecology, March 2015, London: The evolution of PCOS through adolescence and beyond.
242. Mark Hamilton Retirement Meeting, Aberdeen, April 2015: *You can have any treatment as long as it's IVF.*
243. *PCOS in adolescents: assessment and health related quality of life. ESHRE Annual Meeting, Lisbon, June 2015.
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Invited Lectures - British Universities

- 1993:** Charing Cross Hospital, London
Brunel University, Uxbridge, Middlesex
Bourn Hall, Cambridge
CHILD Conference, Bristol
- 1994:** Hammersmith Hospital, London
St Thomas' Hospital, London
Bourn Hall, Cambridge
- 1995:** Liverpool University Medical School
Victor Bonney Society, London
Green College, Oxford
CHILD Conference, Surrey
J.O.G.S., London
Cambridge University x 2
NURTURE, Nottingham
- 1996:** St Thomas' Hospital, London
Yorkshire Reproductive Medicine Group, York University
Bourn Hall, Cambridge
CHILD conference
Chelsea & Westminster Hospital, London
Meet The Experts, Northampton
- 1997:** Leeds Postgraduate Meeting
Merseyside Family Planning Course
RCOG, Part 2 revision course
LGI G.P. Study evening
Various G.P. meetings
Serono Insights Meeting
CHILD conference
Meeting on the PCOS, North Middlesex Hospital, London
Postgraduate meeting, York
Meet The Experts, Leeds
- 1998:** Leeds Postgraduate Meeting
Various G.P. meetings in Yorkshire
Bourn Hall, Cambridge
Postgraduate meeting, Harrogate
Family Planning Meeting, Leeds
CHILD conference
RCOG, Part 2 revision course
ALIAS support group
Hammersmith Hospital, London
- 1999:** Postgraduate meetings and Family Planning Meetings, Leeds & Yorkshire
Cambridge University;
Nottingham – Endocrinology Postgraduate Meeting
- 2000:** UCH, London
CHILD conference, Prize lecture
Postgraduate meetings and Family Planning Meetings, Leeds & Yorkshire

Department of Reproductive Medicine, Aberdeen.
Oxford University, Specialist Registrars training half day.
Department of Reproductive Medicine, Glasgow.

- 2001:** Bourn Hall, Cambridge
Porto University, Portugal
UCH, London
North Yorkshire Gynaecological Society
Postgraduate meetings and Family Planning Meetings, Leeds & Yorkshire
Leeds – Endocrinology Postgraduate Meeting
Paris – Controversies in Obstetrics & Gynaecology
- 2002:** UCH, London
Postgraduate meetings and Family Planning Meetings, Leeds & Yorkshire
Leeds – RCP, Endocrinology Postgraduate Meeting
Carlisle, Postgraduate Meeting.
Sri Lanka: Postgraduate Workshops in Reproductive Medicine.
Sheffield, Postgraduate Meeting.
- 2003:** Postgraduate meetings and Family Planning Meetings, Leeds & Yorkshire.
Leeds – RCP, Endocrinology Postgraduate Meeting.
Leeds – RCP, Dermatology Postgraduate Meeting.
Nottingham, Postgraduate Meeting.
Leeds – Division of Molecular Vascular Medicine.
Leeds – Regional Meeting of Dieticians.
Copenhagen: Infertility Group – Ovulation Induction.
- 2004:** Bradford, postgraduate meeting.
Northallerton, postgraduate meeting.
Postgraduate meetings and Family Planning Meetings, Leeds & Yorkshire.
Insights, Fertility Nurses Meeting, Harrogate.
British Association of Health Services in Higher Education (BAHSHE) Annual Conference, Leeds.
Yorkshire radiologists, radiographers and ultrasonographers.
Lifestyle lectures: Leeds University.
Yorkshire Family Planning Conference, Royal Armouries, Leeds.
Yorkshire, Regional Genetics Training Day on Intersex.
- 2005:** Postgraduate meetings and Family Planning Meetings, Leeds & Yorkshire.
Yorkshire radiologists, radiographers and ultrasonographers.
Lifecycle lectures: Leeds University.
Yorkshire Endocrinologists training day and Endocrinology/RCP training for registrars.
Paediatric surgeons; GPs York.
- 2006:** GPs Leeds, Wakefield, Harrogate.
Lifecycle lectures: Leeds University.
- 2007:** Postgraduate meetings and Leeds & Yorkshire.
Lifecycle lectures: Leeds University.
Regional Family Planning Meeting, Yorkshire.
Debate, Leeds Uni, Ethics of Egg Freezing.
North Western Gynaecology Meeting, Windermere.
MSc Course, Clinical Embryology, Leeds.

- 2008:** Postgraduate meetings and Leeds & Yorkshire.
Lifecycle lectures: Leeds University.
GP lecture, PCOS, Leeds.
MSc Course, Clinical Embryology, Leeds.
Yorkshire Oncologists Postgraduate Meeting.
- 2009:** Yorkshire GPs.
UK Infertility Nurses.
CAH National patient support group, Leeds.
Fothergill Society, Leeds.
Gynaecology nurses training day, Leeds.
Central London GPs, PCOS.
Lifecycle lectures: Leeds University.
MSc Course, Clinical Embryology, Leeds.
Regional trainees, Weetwood Hall.
Medical student debate.
- 2010:** UK Infertility Nurses.
MSc Course, Clinical Embryology, Leeds.
Paediatricians and Gynaecologists, Aberdeen.
Consultants, West Yorkshire.
- 2011:** GPs West Yorkshire.
UK Infertility Nurses.
MSc Course, Clinical Embryology, Leeds.
Paediatricians, Yorkshire.
Consultants, West Yorkshire.
- 2012:** GPs West Yorkshire.
MSc Course, Clinical Embryology, Leeds.
Consultants, West Yorkshire.
- 2013:** GPs West Yorkshire.
UK Infertility Nurses.
Consultants, West Yorkshire.
- 2014:** GPs West Yorkshire & UK.
UK Infertility Nurses.
UK radiologists.
- 2015:** GPs West Yorkshire & UK.
Yorkshire regional trainees meeting.
UK Infertility Nurses.

PUBLICATIONS

I. Books

1. The CTG in Practice

Balen AH and Smith JH

Preface by Professor RW Beard

Churchill Livingstone, Edinburgh, 1992, 200 pages.

2. Infertility in Practice

Balen AH and Jacobs HS

Foreword by Professor Alan DeCherney

Churchill Livingstone, Edinburgh, 1997, 400 pages.

3. Infertility in Practice, *Second Edition*

Balen AH and Jacobs HS

Foreword by Professor Ian Cooke

Churchill Livingstone/Harcourt Brace, London, 2003, 489 pages; 1st reprint: 2004; 2nd reprint: 2005; translated into Greek, 2005.

4. Infertility in Practice, *Third Edition*

Balen AH

Foreword by Professor Paul Devroey

Informa Healthcare, London, 2008, 445 pages.

5. Infertility in Practice, *Fourth Edition*

Balen AH

Foreword by Professor Juha Tapanainen

Informa Healthcare, London, 2014, 488 pages.

6. Reproductive Endocrinology for the MRCOG and beyond

Balen AH, R.C.O.G. Press, London, 2003, 130 pages.

7. Reproductive Endocrinology for the MRCOG and beyond, *Second Edition*

Balen AH, R.C.O.G. Press, London, 2007, 214 pages.

8. A Multi-Disciplinary Approach to the Management of Paediatric and Adolescent Gynaecology

Balen AH – Editor-in-chief,

co-editors: S Creighton, M Davies, J MacDougall, R Stanhope

Cambridge University Press, Cambridge, 43 chapters, 2004, 600 pages.

Highly Commended in BMA Medical Book Awards, 2005.

9. Coping With Polycystic Ovary Syndrome – A Patient's Guide

Christine Craggs-Hinton & Adam Balen. Sheldon Press, London, 2004, 110 pages.

Also published in North America as:

9. Positive Options for Polycystic Ovary Syndrome – Self-Help and Treatment

Christine Craggs-Hinton & Adam Balen. Hunter House, Berkely CA, 2004, 131 pages.

10. Clinical Management of Polycystic Ovary Syndrome

Balen AH – Editor-in-chief, with co-editors: G. Conway, R. Homburg, R. Legro
Taylor & Francis, London & New York, 2005, 234 pages. 1st reprint: 2005.

Highly Commended in the obstetrics and gynaecology category in the BMA Book Awards for 2006.

11. Obesity and Reproductive Health. Edited by Philip Baker, Adam Balen, Lucilla Poston and Naveed Sattar. Proceedings of 53rd RCOG Study Group, RCOG Press, London 2007.

12. Current Management of Polycystic Ovary Syndrome. Edited by Adam Balen, Steve Franks, Roy Homburg and Sean Kehoe. Proceedings of 59th RCOG Study Group, RCOG Press, London 2010, 228 pages.

Booklets and Mini-Symposia

1. Infertility 2000 – Postgraduate Update Series Journal

Balen AH - Editor-in-chief and author. Excerpta Medica, The Netherlands, 2000; 68 pages.

2. Mini-symposium on Polycystic Ovary Syndrome,

Balen AH, Editor: Human Fertility, 2000, Volume 3, number 2, pp 73-115.

3. GnRH antagonist protocols in practice,

Balen AH, Symposium Editor: Human Fertility, 2002, Volume 5, number 1, pp G1 – 48.

4. BJOG Special Edition on Obesity, October 2006. Editor of entire issue, devoted to obesity, plus editorial.

5. BJOG Special Edition on The Gynaecological and Reproductive Health Problems of Puberty and Adolescence, January 2010. Editor of entire issue, devoted to adolescent reproductive health, plus editorial.

II. Chapters in Books

1. Balen AH, Yovich JL: Miscarriage following assisted conception. In Stabile I, Grudzinskas JG & Chard T (editors): Spontaneous Abortion, Diagnosis and Treatment. Springer-Verlag, London, 1992, pages 133-148.
2. MacDougall J, Balen AH, Jacobs HS: Polycystic ovaries and their relevance to assisted conception. In Brinsden P & Rainsbury P (editors): The Bourn Hall Textbook of Assisted Conception, pages 93-110. Parthenon Press, Carnforth, Lancashire, 1992.
3. Balen AH, Shoham Z, Jacobs HS: Amenorrhoea – Causes and consequences. In Asch RH & Studd JJW (editors): Annual Progress in Reproductive Medicine. Parthenon Press, Carnforth, Lancashire, 1993, pages 205-234.
4. Tan SL, Balen AH, Jacobs HS: Hypersecretion of LH and the polycystic ovary syndrome. Neuroendocrinology of female reproductive function. Editors: Montemagno M, Nappi C, Petraglia F, Genazzani AR. Parthenon, Carnforth, Lancs, 1993, 223-228.
5. Balen AH, Smith JH: Cardiotocography. In Studd JJW & C Jardine Brown (editors): Year Book of the R.C.O.G. 1994, Parthenon Press, pp 283-300.
6. Balen AH, Tan SL: The physiology and endocrinology of the ovary. In Kurjak A (editor): Ultrasound and the Ovary, Parthenon Press, Carnforth, Lancs, 1994, p 17-28.
7. Balen AH, Balen FG, Tan SL: The ovary and assisted reproduction. In Kurjak A (editor): Ultrasound and the Ovary, Parthenon Press, Carnforth, Lancs, 1994, p 83-98
8. Balen AH: The control of LH secretion in the PCOS. Advances in Human Reproduction, F.A. Moeloek, B. Affandi & A.O. Trounson (eds), Parthenon Press, Carnforth, Lancashire, 1994;255-263.
9. Harrington DJ, Balen AH: PCOS. Practical Guide to Reproductive Medicine, Rainsbury PA & Viniker DA (eds), Parthenon Press, 1997; pp 63-72.
10. Balen AH: Amenorrhoea and anovulation. Practical Guide to Reproductive Medicine, Rainsbury PA & Viniker DA (eds), Parthenon Press, 1997; pp 49-62.
11. Balen AH: PCOS – Medical or surgical treatment? Evidence-based Fertility Treatment, RCOG Study Group. Templeton A, Cooke I & O'Brien PMS (eds), RCOG Press, 1998, pp 157-177.
12. Balen AH: PCOS – Mode of treatment, in Female Infertility Therapy – Current Practice. Shoham Z, Howles CM, Jacobs HS (eds), Martin Dunitz, 1998, pp 45-68.
13. Balen AH: Endocrine methods of induction of ovulation. Balliere's Clinics in Obstetrics and Gynaecology, PCOS, HS Jacobs (ed), 1998; 12: 521-540.

14. Balen AH: Expression of The polycystic ovary syndrome. In, The polycystic ovary syndrome, editor R Homburg, Cuadernos de Medicina Reproductiva, Editorial Medica Panamericana, 1998, pp 33-45.
15. Balen AH: Hypersecretion of LH in the polycystic ovary syndrome. In, The polycystic ovary syndrome, editor R Homburg, Cuadernos de Medicina Reproductiva, Editorial Medica Panamericana, 1998, pp 75-100.
16. Balen AH: Infertility – Prospects of Success. Yearbook of The National Association of Fundholding Practices, 1998; 217-219.
17. Balen AH, MacDougal J, Jacobs HS: Polycystic ovaries and assisted conception. Bourn Hall Textbook of IVF, P Brinsden, Parthenon Press, Lancs, 1999 pp 109-130.
18. Balen AH: Amenorrhoea, hirsutism and virilisation. Dewhurst's Textbook of Obstetrics and Gynaecology (6th Ed), D.K. Edmonds, Blackwell Scientific, 1999, 42-60.
19. Nugent D, Smith J, Balen AH: The ovary and assisted reproduction. In Ultrasound and the Ovary, Kurjak A & Kupesic S; Parthenon Press, Carnforth, 1999, pp 23-44.
20. Balen AH: Ovulation induction. In The Polycystic Ovary Syndrome, editor G Kovacs, Cambridge University Press, 2000, pp 117-143.
21. Balen AH, Jacobs HS: Polycystic ovaries and assisted conception. The Polycystic Ovary Syndrome, ed. G Kovacs 2000, Cambridge University Press, pp 159-181.
22. Balen AH. Laparoscopic treatment of polycystic ovary syndrome. Recent Advances in Obstetrics & Gynaecology. Editor: John Bonnar. Churchill Livingstone, Edinburgh, 2000; 111-122.
23. Balen AH. Amenorrhoea, oligomenorrhoea and polycystic ovary syndrome. Disorders of the Menstrual Cycle, Proceedings of The 37th RCOG Scientific Working Group, Editors S O'Brien, I Cameron & A MacLean. RCOG Press, 2000; 346-372.
24. Balen AH. GnRH agonists and superovulation for assisted conception. Infertility and Reproductive Medicine Clinics of North America, ed P Devroey, WB Saunders Co, Philadelphia, 2001; 12: 89-104.
25. Balen AH: Clinical Expression. In, The Polycystic Ovary Syndrome, editor R Homburg, Martin Dunitz, 2001, pp 19-27.
26. Balen AH: Hypersecretion of LH: effects and mechanisms. In, The Polycystic Ovary Syndrome, editor R Homburg, Martin Dunitz, 2001, pp 61-77.
27. Jacobs HS, Balen AH: The polycystic ovary and IVF. Textbook of Assisted Reproductive Techniques, editors: DK Gardner, A Weissman, C Howles, Z Shoham. Martin Dunitz, Andover, U.K., 2001, pp 637-643.

28. Balen AH: The principles of gonadotrophin therapy. In: A Practical Guide to Ovulation Induction, SM Sathanandan & HS Jacobs (editors). 2002, Imperial College Press, pp 87-104.
29. Balen AH. Disorders of Puberty. Gynaecology (3rd Edition). Shaw, Soutter & Stanton (editors). Churchill Livingstone, Harcourt Health Sciences, 2002, pp 215-228.
30. Balen AH. Polycystic Ovary Syndrome. Gynaecology (3rd Edition). Shaw, Soutter & Stanton (editors) Churchill Livingstone, Harcourt Health Sciences, 2002, pp 259-270.
31. Balen AH, Rajkowha M. Polycystic Ovary Syndrome: A Systemic Disorder, In: Bailliere's Best Practice & Research: Clinical Obstetrics & Gynaecology, The Management of Subfertility, Editor, JG Grudzinskas, 2003, vol 17/2, pp 263-274.
32. Balen AH & Dunger D. Polycystic Ovary Syndrome in Adolescents. A Multi-Disciplinary Approach to the Management of Paediatric and Adolescent Gynaecology. A. Balen, S Creighton, M Davies, J MacDougall, R Stanhope (editors). Cambridge University Press, 2004, pp 334-341.
33. Balen AH. Primary and Secondary Amenorrhoea. A Multi-Disciplinary Approach to the Management of Paediatric and Adolescent Gynaecology. A. Balen, S Creighton, M Davies, J MacDougall, R Stanhope (editors). Cambridge University Press, 2004, pp 342-353.
34. Balen AH. Strategies for Superovulation for IVF. In: Good Clinical Practice in Assisted Reproduction, Editors Paul Serhal and Caroline Overton. Cambridge University Press, 2004 pp 112-128.
35. Balen AH. Oligomenorrhoea and Amenorrhoea. In: Gynaecology, First Edition, Editors: Sally Hope & Margaret Rees; Elsevier, Edinburgh, 2004; pp16-35.
36. Balen AH, Mesquita-Guimarães J, Hayden CJ, Tang T. Oral hypoglycaemics and PCOS. The Year Book of Obstetrics and Gynaecology. Volume 11, RCOG Press, 2004; 22-36.
37. Tang T, Balen AH: The polycystic ovary and IVF. Textbook of Assisted Reproductive Techniques, 2nd Edition, editors: DK Gardner, A Weissman, C Howles, Z Shoham. Taylor & Francis, London, 2004, pp 771-780.
38. Balen AH: Pathophysiology – trying to understand polycystic ovary syndrome and its endocrinology. Polycystic Ovary Syndrome, editors: IS Fraser & GT Kovacs, Bailliere's Best Practice in Research and Clinical Obstetrics and Gynaecology, 2004; **18**: 685-706.
39. Balen AH, Wijeyeratne C: The genetics of polycystic ovary syndrome. Updates in Infertility Treatment, Editor M. Filicori, Medimond, Italy, 2004, pp395-418.

40. Balen AH: Polycystic ovaries and their relevance to assisted conception. A Textbook of *in vitro* fertilization and assisted conception, 3rd Edition, editor Peter Brinsden, Taylor & Francis, London, 2005 pp 189-215.
41. Balen AH: The irregular cycle: PCOS. The Abnormal Menstrual Cycle, editors: M Rees, S Hope and V Ravnkar, Parthenon Publishing, Lancaster UK, 2005, 95-110.
42. Salha O, Picton H, Balen AH, Rutherford AJ. Cryopreservation of human ovarian tissue. *Vignettes for the MRCOG, Vol 4* R Farquharson, Quay Books, London, 2005; 23-32.
43. Balen AH, Glass MR: What's new in PCOS? Recent Advances in Obstetrics and Gynaecology. Editor: J Bonnar. RSM Press, London 2005, pp 147-158.
44. Balen AH: Biochemical features of PCOS. In: Androgen Excess Disorders in Women, edited by R Azziz, J Nestler and D Dewailly, Humana Press, New Jersey, 2006; 169-182.
45. Balen AH: Surgical management of PCOS. In: Androgen Excess Disorders in Women, edited by R Azziz, J Nestler and D Dewailly, Humana Press, New Jersey, 2006; 415-420.
46. Balen AH: Surgical management of PCOS. In: Polycystic Ovary Syndrome, Best Practice and Research in Clinical Endocrinology and Metabolism, edited by R Azziz, R Legro and Giudice L. 2006 Vol. 20, pp. 271–280.
47. Glaser A, Balen AH: Health conditions and treatments in childhood and adolescence where fertility is affected. In Fertility Issues Relating to Children and Young People, editors Rachel Balen and Marilyn Crawshaw. Jessica Kingsley Publishers, 2006 pp 67-84.
48. Balen AH: The polycystic ovary, in In-vitro maturation of human oocytes – Basic science to clinical applications. Editors: SL Tan, RC Chian, W Buckett. Taylor & Francis, Boca Raton, USA. 2007, pp 175-186.
49. Sedler M, Balen AH: The management of ovarian hyperstimulation syndrome, in In-vitro maturation of human oocytes – Basic science to clinical applications. Editors: SL Tan, RC Chian, W Buckett. Taylor & Francis, Boca Raton, USA. 2007, pp 203-220.
50. Balen AH: IVF and the patient with polycystic ovaries or polycystic ovary syndrome and. In, Polycystic Ovary Syndrome, 2nd Edition, editors Gabor Kovacs and Rob Norman, Cambridge University Press, 2007, pp 177-203.
51. Balen AH: Polycystic ovary syndrome and secondary amenorrhoea. Dewhurst's Textbook of Obstetrics and Gynaecology (7th Edition), editor D.K. Edmonds, Blackwell Scientific Publications, 2007, pp 377-398.
52. Balen AH: Strategies for ovulation induction in the management of anovulatory polycystic ovary syndrome. In: Endocrine Updates, The Polycystic Ovary Syndrome, Springer, Norwell, MA, edited by R Azziz, 2007, pp 99-115.

53. Balen AH: Insulin resistance, metformin and PCOS. In: *Reproductieve geneeskunde, gynaecologie en obstetrie*. Anno 2007, Editor E Slager, DCHG 2007, 52-55.
54. Balen AH: Sexual differentiation: intersex disorders. In *Reproductive Endocrinology for the MRCOG and Beyond*, Second Edition, edited by AH Balen, RCOG Press, 2007; pp 1-16.
55. Balen AH: Amenorrhoea. In *Reproductive Endocrinology for the MRCOG and Beyond*, Second Edition, edited by AH Balen, RCOG Press, 2007; pp 77-89.
56. Balen AH: Polycystic ovary syndrome. In *Reproductive Endocrinology for the MRCOG and Beyond*, Second Edition, edited AH Balen, RCOG Press, 2007; pp 89-102.
57. Balen AH, Rajkhowa M: Health consequences of polycystic ovary syndrome. In *Reproductive Endocrinology for the MRCOG and Beyond*, Second Edition, edited by AH Balen, RCOG Press, 2007; pp 103-114.
58. Balen AH: Anovulatory infertility and ovulation induction. In *Reproductive Endocrinology for the MRCOG and Beyond*, Second Edition, edited by AH Balen, RCOG Press, 2007; pp 115-136.
59. Balen AH: Hyperprolactinaemia. In *Reproductive Endocrinology for the MRCOG and Beyond*, Second Edition, edited by AH Balen, RCOG Press, 2007; pp 143-150.
60. Balen AH: Premature ovarian failure. In *Reproductive Endocrinology for the MRCOG and Beyond*, Second Edition, edited A Balen, RCOG Press, 2007; pp 177-188.
61. Balen AH: Polycystic ovary syndrome, obesity and reproductive function. Obesity and Reproductive Health. Editors: P Baker, A Balen, L Poston and N Sattar. Proceedings of 53rd RCOG Study Group, RCOG Press, London 2007, pp 69-80.
62. Balen AH: PCO versus PCOS: A necessary distinction. In: *From the Ovary to the Pancreas: Current Concepts and Controversies in the Polycystic Ovary Syndrome*. Editors: A Dunaif, RJ Chang, S Franks, RS Legro, Humana Press Contemporary Endocrinology Series, Humana Press, Totowa USA, 2008, pp 37-50.
63. Tang T, Balen AH: The polycystic ovary and IVF. *Textbook of Assisted Reproductive Techniques*, 3rd Edition, editors: DK Gardner, A Weissman, C Howles, Z Shoham. Informa Healthcare, London, 2008, pp 721-736.
64. Balen AH: Overview and definitions of polycystic ovary syndrome and the polycystic ovary. *Current Management of Polycystic Ovary Syndrome*. Edited by AH Balen, S Franks and R Homburg. 59th RCOG Study Group, RCOG Press, London 2010; pp 1-12.
65. Wijeyeratne CN, Kumarapeli V, Seneviratne RdeA, Antonypillai CN, Seneviratne RdeA SR, Chaminda GJ, Yapa SC, Balen AH: Ethnic variations in the expression of polycystic ovary syndrome. *Current Management of Polycystic Ovary Syndrome*. Edited

by AH Balen, S Franks and R Homburg. Proceedings of 59th RCOG Study Group, RCOG Press, London 2010; pp25-46.

66. Barth JH, Field HP, Yasmin E, Balen AH: Definition of hyperandrogenism. *Current Management of Polycystic Ovary Syndrome*. Edited by AH Balen, S Franks and R Homburg. Proceedings of 59th RCOG Study Group, RCOG Press, London 2010; pp117-123.

67. Balen AH: Surgical management of anovulatory infertility in PCOS. *Current Management of Polycystic Ovary Syndrome*. Edited by AH Balen, S Franks and R Homburg. 59th RCOG Study Group, RCOG Press, London 2010; pp165-172.

68. Balen AH: Disorders of Puberty. In: *Gynaecology, Fourth Edition*. Editors RW Shaw, D Luesley, A Monga, Churchill Livingstone, Edinburgh, 2010, pp 182-196.

69. Balen AH: Polycystic ovary syndrome . In: *Gynaecology, Fourth Edition*. Editors RW Shaw, D Luesley, A Monga, Churchill Livingstone, Edinburgh, 2010, pp 251-264.

70. Balen AH: Female infertility and assisted reproduction. Oxford Textbook of Endocrinology and Diabetes. Editor J Wass, Oxford University Press, 2011, pp1249-1263.

71. Brewer C, Balen AH. Metformin for women with PCOS undergoing IVF. In *Adjuncts for IVF*, edited by G Kovacs, Cambridge University Press, 2011 pp 43-50.

72. Balen AH: Secondary amenorrhoea and polycystic ovary syndrome. In *Dewhurst's Textbook of Obstetrics and Gynaecology for Postgraduates, Eighth edition*. Editor, DK Edmonds, Blackwells, London 2012, pp 513-533.

73. Balen AH: The patient with PCOS. *Assisted Reproduction Techniques: Challenges and Management Options*. Editors A Coomarasamy & K Sharif, Wiley Blackwell, London 2012, pp 61-64.

74. Nicholas S, Brewer C, Tang T, Balen AH: PCOS and assisted reproduction. *Textbook of Assisted Reproductive Techniques, 4th Edition*, editors: DK Gardner, A Weissman, C Howles, Z Shoham. Informa Healthcare, London, 2012, Vol 2 pp 298-307.

75. Balen AH: Congenital anomalies of the genital tract. *Shaw's Textbook of Operative Gynaecology*, Editors Marcus Setchell, John Shepherd and Christopher Hudson. Elsevier, New Dehli, India, 2013, pp 103-130.

76. Amoako AA & Balen AH. Female Infertility: Diagnosis and Management. In: *Endocrinology and Diabetes: Case Studies, Questions, and Commentaries* Editors Dr. Ajjan and Dr. S. Orme. 2014 (in press).

77. Nicholas S, Tang T, Balen AH: PCOS and assisted reproduction. *Textbook of Assisted Reproductive Techniques, 5th Edition*, editors: DK Gardner, A Weissman, C Howles, Z Shoham. Informa Healthcare, London, 2016, (in press).

Total 77 + chapters in other books personally written

IIIa. Full papers in refereed journals

1. Balen AH, Kurtz AB: Successful outcome of pregnancy in a patient with severe hypothyroidism and a review of the literature. *British Journal of Obstetrics and Gynaecology*, 1990; 97: 536-539.
2. Balen AH, Regan L, Owen EJ, Jacobs HS: Recurrent Miscarriage (letter). *Lancet*, 1990; 336: 1191-1192.
3. Balen AH, Jacobs HS: Gonadotrophin Surge Attenuating Factor - A missing link in the control of LH secretion? *Clinical Endocrinology*, 1991; 35: 399-402.
4. Shoham Z, Balen AH, Patel A, Jacobs HS: Results of ovulation induction using human menopausal gonadotropin or purified follicle-stimulating hormone in hypogonadotropic hypogonadism patients. *Fertility and Sterility*, 1991; 56: 1048-1053.
5. Hussein EE, Balen AH, Tan SL: A prospective study comparing the outcome of eggs retrieved in the aspirate to those retrieved in the flush during transvaginal ultrasound directed oocyte recovery for in-vitro fertilisation. *British Journal of Obstetrics and Gynaecology*, 1992; 99: 841-844.
6. Balen AH: Maternity Services: The obstetric flying squad (letter). *British Medical Journal*, 1992; 304: 1057.
7. Tan SL, Balen AH, Hussein EE, Mills C, Campbell S, Yovich J, Jacobs HS. A prospective randomised study of the optimum timing of human chorionic gonadotrophin administration after pituitary desensitisation in in vitro fertilisation. *Fertility and Sterility* 1992; 57: 1259-1264.
8. Tan SL, Balen AH, Hussein EE, Campbell S, Jacobs HS: The administration of steroids for the prevention of ovarian hyperstimulation syndrome in IVF. A prospective randomised study. *Fertility and Sterility*, 1992; 58: 378-383.
9. Tan SL, Pampiglione J, Balen AH, Mills C, Campbell S: Transvaginal Peritoneal Oocyte Sperm Transfer (POST) for the treatment of non-tubal infertility. *Fertility and Sterility*. 1992; 57: 850-853.
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13. Balen AH, Tan SL, Jacobs HS: Hypersecretion of Luteinising Hormone - A significant cause of subfertility and miscarriage. *British Journal of Obstetrics and Gynaecology*, 1993; 100: 1082-1089.
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15. MacDougall MJ, Tan SL, Balen AH, Jacobs HS: A controlled study comparing patients with and without polycystic ovaries undergoing in-vitro fertilisation. *Human Reproduction*, 1993; 8:233-237.
16. Balen AH: Hypersecretion of luteinising hormone in the polycystic ovary syndrome and a novel hormone "gonadotrophin surge attenuating factor". *Journal of The Royal Society of Medicine*, 1994; 88: 339-441.
17. Balen AH: Hypersecretion of LH: a significant cause of infertility and miscarriage. *British Journal of Obstetrics and Gynaecology* (letter) 1994; 101: 738.
18. Balen AH, Rose M: The control of luteinising hormone secretion in the polycystic ovary syndrome. *Contemporary Reviews in Obstetrics and Gynaecology*, 1994; 6: 201-207.
19. Balen AH: Precocious signs of polycystic ovaries in young girls. *Ultrasound in Obstetrics and Gynaecology*, 1994; 4: 183-184.
20. Balen AH, Braat DDM, West C, Patel A, Jacobs HS: Cumulative conception and live birth rates after the treatment of anovulatory infertility. An analysis of the safety and efficacy of ovulation induction in 200 patients. *Human Reproduction*, 1994 9: 1563-1570.
21. Balen AH, Jacobs HS: A prospective study comparing unilateral and bilateral laparoscopic ovarian diathermy in women with the polycystic ovary syndrome. *Fertility & Sterility*, 1994; 62: 921-925.
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Synopsis of career to date

Having completed my house jobs, I spent six months in the casualty department of St Bartholomew's Hospital before going to South Africa for a year. It was there that I worked as one of three doctors, at St Rita's Hospital, which is an old 350 bed mission hospital in the "tribal homeland" of Lebowa (then the Northern Transvaal and now known as Limpopo Province). I gained considerable experience in the management of medical, surgical, paediatric and obstetric problems. Whilst our equipment and drugs were adequate, the facilities were very basic. It was not an uncommon practice, for example, to find myself being anaesthetist, obstetrician and paediatrician rolled into one during caesarean section operations. I started a support service for the rural clinics, visiting them on a regular basis and teaching the clinic sisters. I also interacted with the Department of Health to improve the facilities at the hospital.

I returned to England to start a pre-arranged G.P. rotation where my first job was as an Obstetric and Gynaecology S.H.O. and it was then that I realised that this was my vocation. I therefore moved to the teaching hospital environments of first The London Hospital and then The Samaritan Hospital for Women. I moved from the Samaritan to work as an S.H.O. in Endocrinology and Diabetes at the Middlesex Hospital, to complete my elective year for the MRCOG. My duties were primarily on the wards, but I took the opportunity to attend the reproductive endocrinology clinics run by Professor Howard Jacobs, ovulation induction clinics and research meetings and decided that this was an area in which I wanted to develop a special interest.

I completed my S.H.O. training with a term at Queen Charlotte's Maternity Hospital which left me enthusiastic to start my registrar rotation on the St Mary's circuit. During my time at the Central Middlesex, I realised that there was a need for a comprehensive teaching guide to cardiotocography. I therefore collected the CTG's of 25 women, both antenatal and intra-partum and used them to teach the S.H.O.'s and midwives. I arranged the CTG's together with the clinical case history and partogram, so that the CTG's fitted into the clinical context of each case. The resultant manual was very popular, so, I added teaching points on labour ward practice and the book was published by Churchill Livingstone as "*The CTG in Practice*" - and sold approximately 2,500 copies worldwide.

A clinical research fellowship with Professor Howard Jacobs at the Middlesex Hospital became available and so I took a break from my registrar rotation to work both at the Middlesex and also at the Hallam Medical Centre, London. It was at the Hallam that I learnt how to manage both female and male infertility. At the Middlesex Hospital I ran the ovulation induction clinic and also worked in the general endocrine clinic. My main research interest was in the hypersecretion of luteinising hormone in women with the polycystic ovary syndrome. I explored the hypothesis that these women are deficient in an ovarian LH-inhibitory factor, termed "gonadotrophin surge-attenuating factor". I developed a research protocol in collaboration with the scientists of the Division of Endocrinology at the National Institute for Biological Standards and Control (NIBSC), which was headed by Professor Steve Jeffcoate. My MD thesis was awarded in 1995.

Following the Middlesex I started on the registrar rotation between Hillingdon and Queen Charlotte's Hospitals, before moving on to become senior registrar/subspecialist trainee in Reproductive Medicine at the John Radcliffe Hospital, Oxford, under the supervision of

Professor David Barlow. I finished with a general SR year, working for Mr Mark Charnock, the gynaecological oncologist in Oxford. My main area of research in Oxford was in the sphere of adolescent endocrinology and gynaecology. I set up a large epidemiological study jointly with Professor Martin Vessey (Department of Epidemiology) and Dr David Dunger (Paediatric Endocrinologist). We explored the association between obesity, age at menarche, menstrual cycle disorders, eating habits and diet together with serum endocrinology, ovarian morphology and risk factors for disease in adulthood. We obtained two large grants and I was the principal supervisor of a D.Phil which was awarded in 2000.

Current Post

I was appointed to my Consultant post in Leeds, first at the General Infirmary, in 1996 in Obstetrics and Gynaecology although I have since discontinued my obstetric practise in order to focus on Reproductive Medicine. My main responsibilities are to the Department of Reproductive Medicine, where I was "Person Responsible" of The Reproductive Medicine Unit – one of the largest in the country with over 1100 cycles of IVF per year. In 2010 we merged with the St James' unit into the new Leeds centre for Reproductive Medicine at Seacroft Hospital, where we have the capacity for 2000 IVF cycles per year and the full range of reproductive medicine treatments. I am responsible for reproductive endocrinology, ovulation induction and reproductive surgery. I have a particular interest in all aspects of polycystic ovary syndrome and a dedicated PCOS clinic. I have also established a supra-regional centre for the management of Disorders of Sexual Development and paediatric and adolescent gynaecology, which has input from 12 consultants from other disciplines. This has become the supra-regional referral service for the North of England and I see complex cases which require reconstructive surgery.

I am actively involved nationally and internationally in the sphere of Reproductive Medicine, as past treasurer and chair of the Policy and Practice Committee of the British Fertility Society and as Chair from 2015. I was the founding secretary of the British Society for Paediatric and Adolescent Gynaecology. I also have roles on many local hospital and university committees and nationally at the RCOG. I have developed an interest in prion disease and served on the Department of Health's CJD incident panel. I am medical advisor to a number of patient support organizations, including *Infertility Network UK* and *Verity* (for PCOS) and am a founder of *PCOS UK* for all healthcare professionals working with PCOS, for which I have written national guidelines on management.

I have been involved internationally as an assistant editor on 4 journals *Human Reproduction*, *British Journal of Obstetrics and Gynaecology*, *Clinical Endocrinology* and *Human Fertility*. Having been a committee member of the The European Society of Human Reproduction and Embryology (ESHRE) Special Interest Group on Reproductive Endocrinology, I was elected chair in 2007 to 2011. I have been on the scientific committee of many international symposia. I have also organized a number of national and international meetings, including the joint ESHRE/RCOG *Evidence Based Management of Anovulatory Infertility*, which was a highly acclaimed sell out meeting in London, April 2004. I also personally organized a second joint ESHRE/RCOG meeting in London, in November 2007: *Polycystic Ovary Syndrome: A Condition Of Our Time*, which was again sold out and again required an overflow lecture theatre with a video link. In

2007 I co-convened an RCOG Study Group on Obesity and Reproduction and in 2010 on PCOS, both of which resulted in the publications of books on the subject. I have been a member of all 3 ESHRE/ASRM Consensus Workshops on PCOS (2003, 2008 and 2010) and the 2012 NIH Consensus on PCOS. I am currently Chair of the Expert Working Group on the management of PCOS for the WHO Global Infertility Guideline Committee.

I have considerable administrative experience in relation to hospital and society committee work, organising meetings, educational courses and both undergraduate and post-graduate teaching programmes. I am also involved in the running of an MSc course in clinical embryology. I served first as secretary and then as chairman of the Leeds Teaching Hospitals O&G Committee for 6 years and in 2006 was elected Chair of the Hospitals' Senior Medical Staff Committee, which represents over 600 consultants in the largest NHS trust in the UK - a position I held for 6 challenging years.

Publications and research interests

I have now published over 160 original papers, seven of which arose from my thesis. I have also written over 116 chapters and approximately 50 review articles/editorials and commentaries. I have written 11 books, one on cardiotocography, one on infertility (4 editions), one on reproductive endocrinology (two editions), one on obesity and reproduction (co-edited), three on PCOS and am editor-in-chief of a 43 chapter comprehensive textbook on paediatric and adolescent gynaecology. I have lectured widely both at home and at international meetings.

I run the ovulation induction programme and have performed a number of studies of different gonadotrophin stimulation regimens. We performed the first adequately powered, prospective, double-blind placebo controlled RCT on the use of metformin for anovulatory PCOS. We have completed two of the largest RCTs in the use of metformin for PCOS, which have had international influence on management of this condition and we have recently updated the Cochrane database. Basic research into the pathophysiology of PCOS includes work on apoptosis in polycystic ovaries and ethnic differences in the expression of PCOS and the genetics of PCOS. Some of the genetic work is in collaboration with Professor David Dunger, Department of Paediatrics Cambridge. We are exploring ethnic differences in the expression of PCOS and insulin resistance, in collaboration with Dr Chandrika Wijeyaratne, from Sri Lanka, who spent 2 years in Leeds working for her PhD thesis and with whom we continue to collaborate. I have now supervised the completion of 9 MD/PhD theses in various aspects of PCOS.

I have coordinated a number of projects on the Assisted Conception Unit concerning different treatment protocols, new drug regimens and factors that affect outcome. The Department of Reproductive Medicine also has a number of ongoing projects that I am participating in as a collaborator, much of which has major external funding from various bodies including the MRC and BBSRC. These studies include ovarian tissue and oocyte cryopreservation, *in vitro* maturation of oocytes and follicles and the control of oogenesis and oocyte maturation.

In 2004 I was awarded a personal chair in Reproductive Medicine and Surgery and in 2010 was awarded the DSc by Leeds University.

Hobbies and Interests

In the past I was a keen sportsman and could be found rowing on the River the year round. I regret my decline which has been brought about by a combination of my affair with my computer and membership of a wine club - instead I now ski and play tennis as much as possible. My interests in music have changed over the years from playing the oboe and saxophone to the drums.

Adam Balen.